

4 for generating a series of one or more non-ablative pulses to be delivered to the area of tissue to
5 be treated in order to raise a temperature at the surface of the area of tissue to be treated to a
6 temperature sufficient to generate coagulation at the coagulation depth when the laser source is in
7 a coagulation mode, wherein the laser source comprises two or more lasers which are combined
8 into a single laser wavelength output to provide the one or more non-ablative pulses.

1 8. (Twice Amended) The medical laser delivery apparatus as claimed in claim 1 wherein
2 [at least one of the lasers has] the apparatus is configured to generate laser pulses with [a] short
3 penetration depths.

1 9. (Twice Amended) The medical laser delivery apparatus as claimed in claim 8 wherein
2 [at least one of] the two or more lasers [is an] are erbium lasers.

1 10. (Twice Amended) The medical laser delivery apparatus as claimed in claim 9 [8]
2 wherein the erbium lasers [is an] are Er:YAG lasers.

1 11. (Twice Amended) A medical laser comprising:
2 a. a laser source having two or more lasers which are combined for generating a
3 laser beam having a predetermined absorption wavelength, wherein the absorption
4 wavelength forms a predetermined coagulation depth in response to an ablative
5 laser pulse; and
6 b. a laser control system coupled for controlling the laser source for generating a
7 plurality of coagulative laser pulses, such that each such coagulative laser pulse is
8 delivered in sequence to a target area to form a coagulation region deeper than the
9 predetermined coagulation depth.

1 17. (Twice Amended) A medical laser delivery apparatus for treating an area of tissue
2 comprising:
3 a. a laser source having two or more lasers which are combined into a single laser
4 wavelength output by a combining apparatus for generating a series of one or
5 more laser pulses each having a strength and a duration;
6 b. a laser delivery system coupled to the laser source for delivering the laser pulses
7 from the laser source to the area of tissue being treated;